CLAIMS

What is claimed is:

1   1.   A message processing method for execution by a
2   message processor, the method comprising the steps of:

3   providing in the message processor a conversation
4   thread control part;

5   connecting the message processor to a network;

6   detecting a message packet containing a destination
7   information and a conversation thread identifying
8   information;

9   determining   whether   a   conversation   thread
10   corresponding to the conversation thread identifying
11   information contained in said message packet exists in
12   the message processor;

13   generating a new conversation thread when it is
14   determined that the corresponding conversation thread
15   does not exist in the message processor; and

16   sending the message packet to a destination which
17   corresponds to the destination information.

1   2.   A message processing method as set forth in claim
2   1, wherein the message packet further contains a content
3   information, and wherein the method further comprising,
4   prior to the step of sending, a step of converting the
5   message packet to a protocol which corresponds to the
6   network to which the message processor is connected.

1   3.   A message processing method for execution by a
2   message processor, the method comprising the steps of:

3   connecting the message processor to a network;

4   providing, in the message processor, a conversation
5   thread control part;

6   detecting a message packet containing a conversation
7   thread identifying information;

8   determining   whether   a   conversation   thread
9   corresponding to the conversation thread identifying
10   information contained in the message packet exists in
11   the message processor; and

12   generating a new conversation thread when it is
13   determined that the corresponding conversation thread
14   does not exist in the message processor.

1   4.   A message processing method as set forth in claim
2   3,   wherein   the   message   packet   further   contains   a
3   destination information.

1   5.   A message processing method as set forth in claim
2   3, wherein the message packet further contains a content
3   information, and wherein the method further comprising a
4   step of passing a control to the corresponding conversation
5   thread when it is determined that the corresponding
6   conversation thread exists in the message processor.

1   6.   A message processing method as set forth in claim
2   5, wherein the method further comprising, after the step of
3   passing, a step of analyzing the content of the content

4   information.

1   7.   A message processing method for execution by a
2   message processor, the method comprising the steps of:

3   providing, in the message processor, a plurality of
4   conversation threads and a conversation part object
5   including a conversation thread control part that is
6   capable of controlling the plurality of conversation
7   threads;

8   halting the plurality of conversation threads;

9   sending the conversation part object through a network
10   from the message processor to another place in another
11   message processor; and

12   resuming the plurality of conversation threads at the
13   another message processor.

1   8.   A message processor which is connected to a
2   network, said processor comprising:

3   an agent communication language manager for detecting
4   a message packet which contains a conversation thread
5   identifying information;

6   a first conversation thread control part for
7   determining   whether   a   conversation   thread
8   corresponding to said conversation thread identifying
9   information contained in said message packet exists in
10   said message processor; and

11   a second conversation thread control part for

12   generating a new conversation thread when it is
13   determined that said corresponding conversation thread
14   does not exist in said message processor.

1   9.   A message processor as set forth in claim 8,
2   wherein said processor further comprises a protocol manager
3   for receiving said message packet containing said
4   conversation thread identifying information.

1   10.   A message processor as set forth in claim 8,
2   wherein said message packet further contains a destination
3   information and a content information, and wherein said
4   processor further comprising:

5   a plurality of conversation threads; and

6   a protocol manager for converting said message packet
7   to a protocol which corresponds to a network to which
8   said message processor is connected.

1   11.   A message processor as set forth in claim 8,
2   wherein said message packet further contains a content
3   information, and wherein said second conversation thread
4   control part further comprises a control part for passing
5   a control to said corresponding conversation when it is
6   determined that said corresponding conversation thread
7   exists in said message processor.

1   12.   A message processor as set forth in claim 11,
2   wherein said processor further comprising:

3   a protocol manager for receiving said message packet
4   containing said conversation thread identifying
5   information and said content information; and

6   wherein said first conversation thread control part is
7   comprised of a first interpreter and said second
8   conversation thread control part is comprised of a
9   second interpreter.

1   13. A recording media which stores therein a message
2   processing program for execution by a message processor
3   which is connected to a network, said message processing
4   program comprising:

5   a program code which instructs said message processor
6   to detect a message packet containing a destination
7   information and a conversation thread identifying
8   information;

9   a program code which instructs said message processor
10   to   determine   whether   a   conversation   thread
11   corresponding to the conversation thread identifying
12   information contained in said message packet exists in
13   said message processor;

14   a program code which instructs said message processor
15   to generate a new conversation thread when it is
16   determined that said corresponding conversation thread
17   does not exist in said message processor; and

18   a program code which instructs said message processor
19   to send said message packet to a destination which
20   corresponds to said destination information.

1   14. A recording media as set forth in claim 13,
2   wherein said message packet further contains a content
3   information, and wherein said message processing program
4   further comprises a program code which instructs said

5   message processor to convert said message packet to a
6   protocol which corresponds to the network to which said
7   message processor is connected.

1   15.   A media which stores therein a message processing
2   program for execution by a message processor which is
3   connected to a network, said message processing program
4   comprising:

5   a program code which instructs said message processor
6   to detect a message packet containing a conversation
7   thread identifying information;

8   a program code which instructs said message processor
9   to   determine   whether   a   conversation   thread
10   corresponding to the conversation thread identifying
11   information contained in said message packet exists in
12   said message processor; and

13   a program code which instructs said message processor
14   to generate a new conversation thread when it is
15   determined that said corresponding conversation thread
16   does not exist in said message processor.

1   16.   A media as set forth in claim 15, wherein said
2   message packet further contains a content information, and
3   wherein said message processing program further comprising
4   a program code which instructs said message processor to
5   pass a control to said corresponding conversation thread
6   when it is determined that said corresponding conversation
7   thread exists in said message processor.

1   17.   A media as set forth in claim 16, wherein said
2   message processing program further comprising a program

3   code which instructs said message processor to analyze the
4   content of said content information.

1   18.   A media which stores therein a message processing
2   program for execution by a message processor which is
3   capable of sending a message to another message processor
4   through a network, said message processing program
5   comprising:

6   a program code which instructs said message processor
7   to halt a plurality of conversation threads;

8

9   a program code which instructs said message processor
10   to send a conversation part object which includes said
11   plurality of conversation threads to another place
12   through said network; and

13   a program code which instructs said message processor
14   to resume said plurality of conversation threads.

1   19.   A media which stores therein a plurality of
2   objects to be loaded to a message processor which is
3   connected to a network, said message processing program
4   comprising:

5   an agent communication language manager for detecting
6   a message packet which contains a conversation thread
7   identifying information;

8   a   first   conversation   thread   control   part   for
9   determining   whether   a   conversation   thread
10   corresponding to said conversation thread identifying
11   information contained in said message packet exists in
12   said message processor; and

13   a second conversation thread control part for
14   generating a new conversation thread when it is
15   determined that said corresponding conversation thread
16   does not exist in said message processor.

1   20. A media as set forth in claim 19, wherein said
2   message packet further contains a destination information
3   and a content information, and wherein said message
4   processing program further comprising:

5   a plurality of conversation threads; and

6   a protocol manager for converting said message packet
7   to a protocol which corresponds to a network to which
8   said message processor is connected.

1   21. A media as set forth in claim 19, wherein said
2   message processing program further comprising a protocol
3   manager for receiving said message packet containing said
4   conversation thread identifying information.